

IN THE SPECIFICATION:

Please replace the paragraph on page 2, lines 5 – 26, with the following amended paragraph.

al

~~Prior Art has~~ A number of prior applications by the same inventor
of the present application disclose a Web server connected to the Internet.
This server contains a virtual browser which takes the image displayed in
the browser and converts this image into a bit map which is compressed,
and communicates via telephone lines to a cellular telephone. The cellular
telephone is connected to the high speed internet access device of the
invention commonly referred to as a PDA (Personal Digital Assistant)
which is comprised of a display screen, battery and related micro-
electronics. This enables the PDA to receive, decompress and view the bit
map image sent from the virtual browser, and ^{more} importantly, through
cellular phone connectivity to be able to input data from the PDA directly
onto the server. The PDA and cellular phone combination may be
replaced by another computer outfitted with a modem. In particular, the
Host Computer or server receives vector information or compressed data
in the form of HTML, JPEG, etc., which is displayed on a web page. The
virtual browser virtually displays a virtual image on the server. That
image, in whole or parts, is recompressed and sent to the PDA. The
recompressed data format sent to the PDA, is not necessarily in the same
format as the compressed data format first received by the server. Another
embodiment involves the server receiving vector information such as
HTML or text and then rasterizing it to bit map format. It can then ~~shown~~
be rendered in memory through the virtual browser and ~~is~~-recompressed
through a “loss less” method and sent to the PDA.

Please replace the paragraph on page 3, lines 1 – 6, with the following amended paragraph.

A2
~~Prior Art~~ The disclosure of the prior applications by the same inventor of the present application also comprises the PDA with an electronic touch screen keyboard, which remains invisible and only appears on a portion of the display screen when called upon by touching the keyboard icon. The entire display screen is covered with a transparent touch panel, which is essentially a matrix array of electrodes, which can detect the location of any pressure points applied to it.

Please replace the paragraph from line 20 on page 5 through line 26 on page 6 with the following amended paragraph.

AB
A general description of the ~~Prior Art~~ prior applications by the same inventor of the present application is disclosed in **Fig. 1** with further reference to U.S. Patent Applications 09/496,172, 09/501,585, 09/504,809, 09/504,808, and 09/504,807. ^{now U.S. Patent No. 6,633,314} A Host Computer 1 is depicted which is connected to the Internet, and that host may also be a Web server. Running in the Host Computer, is a Web server program 2. When a remote user 3 requests to view a Web page (or electronic message etc.) the Web server software receives HTML, JAVA, or other types of information and transmits this information to another software, the Browser Translator 4. This software translates the information, (i.e. the entire image comprising graphics and text) received in the form of HTML, Java, etc. (as information may be gathered from different sources) and translates it to a black and white bit map or raster image. In another embodiment, the

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cont

software translates the information into a raster or color image. The image 5, as shown in Fig. 2, contains the information that would normally be displayed on a single Web page. The translation program therefore, also acts as a virtual browser. As can be seen in Fig. 2, the image 5 to be displayed in a browser window 6 is usually larger than the displayable area of the browser window 6. The cellular telephone 12 of Fig. 1 is connected to the high speed internet access device 18 of the invention commonly referred to as a PDA (Personal Digital Assistant) which is comprised of a display screen 19, battery and related micro-electronics. This enables the PDA to receive, decompress and view the bit map image sent from the virtual browser 6, and more importantly, through cellular phone connectivity to be able to input data from the PDA directly onto the server. In particular, the Host Computer or server receives vector information or compressed data in the form of HTML, JPEG, etc., which is displayed on a web page. The virtual browser virtually displays a virtual image on the server. That image, in whole or parts, is recompressed and sent to the PDA. The recompressed data format sent to the ~~PDA~~, PDA is not necessarily in the same format as the compressed data format first received by the server, as illustrated in Fig. 4. For example, the incoming data from a Web page may be in the form of JPEG which is decompressed and displayed on the virtual browser. This data is recompressed and sent to the PDA but can be in the form of TIFF G4 or other formats, and not necessarily JPEG as initially received.

Please replace the paragraph from line 28 on page 6 through line 2 on page 7, with the following amended paragraph.

a4

Another embodiment involves the server receiving vector information such as HTML or text and then rasterizing it to bit map format. It can then ~~shown~~ be rendered in memory through the virtual browser and ~~is-recompressed~~ through a “loss less” method and sent to the PDA.

Please replace the paragraph on page 7, lines 4 – 15, with the following amended paragraph.

a5

The image 5 of Fig. 2 is further divided into sections 7, 8, 9, and 10, as shown in ~~Prior Art of~~ Fig. 3. The image is divided after the bitmap or raster is created. The reason for the division (as will be explained later) is for the purpose of display priority on the user's display. The image 5 is then sent to another program 11 running on the Host Computer 1 (Fig. 1), which compresses the image using a loss-less compression method. The compression method may be group 3 or group 4, or another method. The programs 4 and 11 can have multiple instances running simultaneously on the host server for the purpose of connecting to multiple users. The compressed image, after being processed by program 11, is sent to the user, using a protocol in which information may be broken down into packets.

Please replace the paragraph from line 27 on page 7 through line 3 on page 8, with the following amended paragraph.

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~~In further Prior Art~~Further, the information received from the server by the device 18 of the invention in **Fig. 5** remains compressed, and only the area viewed by the device is decompressed, since the area of a web page to be viewed is larger than the device's display area. As the user scrolls up, down or sideways, only the parts of the image to be displayed are decompressed prior to viewing.
